

CLAIMS:

1. A mobile terminal comprising:
 - 5 - a display;
 - means for entering text;
 - a predictive editor program for generating an output containing words completing a received string of ambiguous keystrokes or matching a received string of ambiguous keystrokes, said predictive editor program has a number of associated vocabularies forming a language dependent dictionary;
characterized by comprising
 - 15 - at least one further program that is capable of compressing text data by replacing words with references to said language dependent dictionary and/or capable of decompressing text data by retrieving words from said language dependent dictionary using references to said language dependent dictionary.

CLAIMS:

1. A mobile terminal comprising:
 - 5 - a display;
 - means for entering text;
 - a predictive editor program for generating an output containing words completing a received string of unambiguous keystrokes or matching a received string of unambiguous keystrokes, said predictive editor program has a number of associated vocabularies forming a language dependent dictionary;
characterized by comprising
 - 15 - at least one further program that is capable of compressing text data by replacing words with references to said language dependent dictionary and/or capable of decompressing text data by retrieving words from said language dependent dictionary using references to said language dependent dictionary.
2. A mobile terminal according to claim 1, characterized in that said further program identifies words in data that is represented as a sequence of characters drawn from an alphabet in an input data block and processes it into an output data block in which character combinations that correspond to words contained in said language dependent dictionary are replaced by references to said language dependent dictionary.
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3. A mobile terminal according to claim 1 or 2, in which said second program saves the words in said text as references to said language dependent dictionary and/or retrieves words from said language
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dependent dictionary using stored or received references.

4. A mobile terminal according to claim 1 or 2, in
5 which said second program sends data incorporating
references to said language dependent dictionary to
other terminals and/or retrieves words from said
language dependent dictionary through references
from data received from other terminals.
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5. A mobile terminal according to any of claims 1 to 4,
characterized in that said further program is a
terminal operation program, said terminal operation
program having at least one associated language data
15 set for outputting text to the display, and said
language data set contains references to said
language dependent dictionary.
6. A mobile terminal according to any of claims 1 to 5,
20 characterized in that said further program is a
program for storing and retrieving text messages to
and from said terminal and said program for storing
and retrieving text messages stores words of said
text messages as references to said language
25 dependent dictionary and retrieves words of said
text messages from said language dependent
dictionary using stored or received references.
7. A mobile terminal according to any of claims 1 to 6,
30 characterized in that said further program is a
message handling program that sends text messages to
other terminals, preferably PCs, servers or mobile
phones, whereby said text message contains
references to said language dependent dictionary.
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8. A mobile terminal according to any of claims 1 to 7, characterized in that said further program is an application program interface (API) that stores downloaded text data as references to said language dependent dictionary.
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9. A mobile terminal according to any of claims 1 to 8, characterized in that said further program is a calendaring or task management program that stores 10 text entries as references to said language dependent dictionary.
10. A mobile terminal according to any of claims 1 to 9, in which said further program is a synchronization program for synchronizing data such 15 as calendar entries or tasks between the mobile terminal and other terminals that store text entries as references to said language dependent dictionary.
- 20 11. A mobile terminal according to any of claims 1 to 10, characterized in that said further program stores said references on- or retrieves said references from a removable data carrier.
- 25 12. A mobile terminal according to any of claims 1 to 11, characterized in that said references are direct references to addresses in said language dependent dictionary.
- 30 13. A mobile terminal according to any of claims 1 to 12, characterized in that said references are strings of keystrokes through which the predictive editor program can retrieve the words to be used from said language dependent dictionary.

14. A mobile terminal according to any of claims 1 to 13, characterized in that said means for entering text comprises a keypad having plurality of keys, preferably a plurality of keys associated with several letters each.
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15. A mobile terminal according to claim 14, characterized in that said keypad comprises keys displayed on a touch screen.
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16. A mobile terminal according to claim 14 or 15, characterized in that said keypad comprises discrete mechanical keys, and preferably a number of soft keys.
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17. A mobile terminal according to any of claims 1 to 16 characterized in said mobile terminal is a communication terminal, preferably a mobile phone comprising processor means, memory means, digital signal processing means, RF transmitting and receiving circuitry, a microphone, a speaker and preferably a SIM card or other removable card having storage capacity.
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18. A mobile terminal according to any of claims 1 to 16, characterized in that said mobile terminal is a personal digital assistant (PDA).
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19. A mobile terminal according to any of claims 1 to 16, characterized in that said mobile terminal is a combination of a mobile phone and a personal digital assistant.
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20. A method of compressing data in a mobile terminal comprising the steps of:
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- storing a language dependent dictionary on said mobile terminal;
 - characterized by:
 - compressing text data on said mobile terminal by replacing words in said text data with references to said language dependent dictionary and/or
 - decompressing text data by retrieving words from said language dependent dictionary using references to said language dependent dictionary.

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21. A method according to claim 20, further comprising the steps of:
 - identifying words in text data that is represented as a sequence of characters drawn from an alphabet in an input data block;
 - processing said text data into an output data block in which character combinations in said text data that correspond to words contained in said language dependent dictionary are replaced by references to said language dependent dictionary.

22. A method according to claim 20 or 21, further comprising the steps of:
 - saving said output data block onto a fixed or removable memory of said mobile communication terminal;
 - and/or retrieving words from said language dependent dictionary through stored references.

23. A method according to any of claims 20 to 22, further comprising the steps of:

- sending data incorporating references to said language dependent dictionary to other terminals and/or
 - retrieving words from said language dependent dictionary from references in data received from other terminals.
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24. A method according to any of claims 20 to 23, further comprising the step of:
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- storing a language data set for a terminal operation program on said terminal, as references to said language dependent dictionary.
- 15 25. A method according to any of claims 20 to 24, further comprising the steps of:
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- storing words of text messages as references to said language dependent dictionary and/or
 - retrieving words of text messages from said language dependent dictionary using stored or received references.
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26. A method according to any of claims 20 to 25, further comprising the steps of:
- sending text messages to other terminals, preferably PCs, servers or mobile phones, wherein words of said text message are stored as references to said language dependent dictionary.
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27. A method according to any of claims 20 to 26, further comprising the step of:
- attaching a reference to the used language, and/or the used dictionary.

28. A method according to claim 27, wherein said text message is sent to said other terminal via a dedicated terminal having a copy of said language dependent dictionary, whereby said dedicated terminal retrieves the words of said text message and passes the text message on to said other terminal with the references replaced by the corresponding words as plain text.
- 10 29. A method according to any of claims 20 to 28, in which words not present in the dictionary are not replaced by references to the language dependent dictionary and remain plain text, or if possible are replaced by a plurality of references to parts of 15 the word that are present in the language dependent dictionary.
30. A method according to any of claims 20 to 29, further comprising the step of:
- 20 - retrieving words from said language dependent database through references received in text messages from other terminals, preferably PCs, servers or mobile communication terminals.
- 25 31. A method according to any of claims 20 to 30, further comprising the step of:
- saving text data contained in files that are downloaded to the terminal as references to said language dependent dictionary.
- 30 32. A method according to any of claims 20 to 31, wherein said language dependent dictionary is a dictionary associated with a predictive editing program that receives unambiguous keystrokes.

33. A method according to any of claims 20 to 32,
wherein said language dependent dictionary is a
dictionary associated with a predictive editing
program that receives ambiguous keystrokes.

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34. A method according to any of claims 20 to 33, wherein
said language dependent dictionary is a dictionary
associated with a spell checking function of a text
editing program.

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35. A method according to any of claims 20 to 34,
wherein said references are direct references to
addresses in said language dependent dictionary.

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36. A method according to claim 33, wherein said
references are strings of keystrokes through which
the predictive editor program can retrieve the words
to be used from said language dependent dictionary.

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37. A method according to any of claims 20 to 36,
wherein said mobile terminal is a communication
terminal, preferably a mobile phone comprising
processor means, memory means, digital signal
processing means, RF transmitting and receiving
circuitry, a microphone, a speaker and preferably a
SIM card or other removable cards having storage
capacity.

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38. A method according to any of claims 20 to 36,
wherein said mobile terminal is a personal digital
assistant (PDA).

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39. A method according to any of claims 20 to 36,
wherein said mobile terminal is a combination of a
mobile phone and a personal digital assistant.